

**Vijay Sai**  
**Full Stack Lead Engineer**

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## Summary:

- ✓ Around 13 years of experience in implementing projects in an end-to-end perspective in Java and the JEE domain.
- ✓ Solid experience in **API Economy**.
- ✓ Ability to design, develop and deliver Microservices individually with any Cloud platform such as **AWS, AZURE** and **PCF**.
- ✓ Experience with **Axway API Gateway** in **API** Virtualization, throttling and writing policies.
- ✓ Experience in design and developing **Micro services** in **Spring boot, Spring integration** with **PCF**.
- ✓ Experience with Content management systems like **Magnolia-CMS & OpenText**.
- ✓ Experience in developing applications, templates, and components (**Java/YAML** based) for the **Magnolia-CMS**.
- ✓ Good experience with an open-source **enterprise search** platform like **Apache Solr**.
- ✓ Experience with working on Linux, Windows and **Docker platforms**.
- ✓ Experience in design and development of Portlets with **Spring Portlet MVC** for the **Vignette Portal** applications.
- ✓ Strong implementation skills in **Java Web Service** standards (SOA, REST, SOAP, WSDL, JSON) & **XML** standards (XML, XML Schema and XSLT etc).
- ✓ Experience in various **Spring Modules** (IOC, AOP, DAO, ORM, Spring-Integration and MVC Modules).
- ✓ Good experience with open-source front-end web frameworks like **AngularJS, Spring Thymeleaf, jquery and Java script**.
- ✓ Expertise in
  - Portlets, Struts & Hibernate
  - EJB, JMS, JDBC, Servlets and JSP and **Apache Freemarker**.
- ✓ Good exposure to **Design Patterns**.
- ✓ Strong experience with Apache Tomcat, Weblogic, Jboss and Websphere Servers.
- ✓ Experienced in version control systems like, cvs, git, gitlab, bitbucket.
- ✓ Well versed in RDBMS concepts and Oracle 10g (SQL, PL/SQL).
- ✓ Having Experience in **Agile** process with use of issue tracking systems like **Rally**.

- ✓ Experience using Continuous Integration tools such as **Jenkins, Bamboo and Crucible.**
- ✓ Strong analytical and programming skills.
- ✓ Ability to establish/maintain effective team communications to ensure client needs are met.
- ✓ Ability to mentor other developers within the team, coach them on technologies used within the project and track the deliverables.
- ✓ Demonstrate the ability to work independently and manage multiple tasks.

#### **Professional Certifications:**

- ✓ **OCJWSO (Oracle Certified Java EE6 Web Service Developer)**
- ✓ **OCJP (Oracle Certified Java SE6 Programmer)**

#### **Education:**

- ✓ Master of Computer Applications (M.C.A) from Osmania University, India

#### **Trained:**

- ✓ **AWS Associate Developer.**
- ✓ **Magnolia-CMS 5.4**
- ✓ **Apache Solr 5.0**
- ✓ **Cramer OSS 6.0**

#### **Technical Skills**

**API Gateway: Axway 7.5.3 (API Manager, API Gateway Manager, KPS)**

**CMS: Magnolia, OpenText**

**Portal Server: Vignette Portal 8.2**

**Application Server: Web logic 10, Websphere 8**

**Tools: Eclipse, CVS, Soap UI 3.0, Hermes JMS 1.3, XMLSpy and StarUML 5.0**

**Build tools: Ant and Maven 3.0, Gradle**

**Java Technology Stack: Java 1.8, Java Web Services, Spring 4.0, Hibernate 4.0, EJB 2.x & 3.x, Struts 2.0, Portlets 1.0, JMS, Servlets, JSP, JDBC and XML**

**Scripting Language: Java Script and HTML, YAML, Freemarker**

**Systems: Windows, Linux and Docker**

**Databases: Oracle 10g (SQL, PL/SQL)**

## WORK HISTORY

Duration	Organization	Designation
JULY 2022- JAN 2023	JPMorgan Chase	VP   Software Engineering
APR 2021- JULY 2022	WellsFargo	Assistant Vice President
Oct 2020 – APR 2021	Blue Yonder	Staff Software Engineer
Aug 2016 – Oct 2020	DBS Bank	Specialist, Full Stack Application Developer
MAR 2014- JUN 2016	Invesco	Software Analyst
Sep 2012- March 2014	Prokarma Softech	Senior Software Engineer
Oct 2010 - Sep 2012	Ness Technologies	Senior Software Engineer
Nov 2009 - July 2010	Tech Mahindra	Software Consultant

### Project Details:

#### Project #:

Company: JPMorgan Chase Bank  
Project: Strid Trading - FST  
Client: Internal/External  
Duration: JUL 2022- Till the date  
Role: Lead Engineer

#### Environment :

Java 17, Spring, Spring boot, Spring Cloud, GraphQL, MySQL, AWS

#### Description:

Strid Trading is a Front office trading application, majorly used by traders for trading cash equities, baskets and ETFs etc.

#### Responsibilities:

- Bring knowledge of Serveless full stack software engineering to greenfield API solution to identify relevant endpoints for use cases.
- Extend API microservices software to support all specific business requirements.
- Drive design for structured and nested data models for key data entities in trading stack.
- Implementing REST and GraphQL APIs by understanding microservices-based architecture patterns.
- Working with all engineers on end-to-end delivery best practices, embedding DevOps mindset across all the teams.

#### Project #:

Company: WellsFargo Bank  
Project: MARS  
Client: Internal/External  
Duration: APR 2021- July 2022  
Role: Sr. Developer

#### Environment :

Java 14, Spring, Micro services, Spring boot, Spring Cloud, Config, Redis.

**Description:** MARS is an enterprise Mass Archival & Retrieval System which enables the lines of the business to store and retrieve documents. This is one of the Crown Jewel applications in the WellsFargo. MARS is a very old application which was developed 20+ years ago using the old technology stack of JSP, Servlets & EJBs. Mars Modernisation is a technology initiative to uplift the technology stack and to make the application ready for Cloud. As part of Modernisation the application is Architected & Designed using Cloud Native principles by adapting the Microservices Oriented Architecture.

**Responsibilities:**

- Working as IC and responsible for end-to-end part of design of MARS modernisation.
- Key Contributor for architecting and designing the base framework which enables to develop Microservices through configuration.
- Worked intensively on CI/CD and enabled automated development across all the PCF Cloud environments.
- Conducted various performance tests for MARS using JMeter.
- Key contributor in transforming MARS. Monolith into multiple services as part of MARS.
- Modernisation by adapting Microservices oriented architecture & cloud native principles.
- Maintained the quality of code by adhering to various toll gates like Sonar, BD scans and SSAP scans.

**Project #:**

Company: Blue Yonder  
Project: API Management  
Client: Internal/External  
Duration: Oct 2020- Till the date  
Role: Staff Software engineer

**Environment:**

Java 1.8, Spring 4.0, Micro services, Spring boot, Spring Integration, Azure.

**Description:** APIM is a single platform which provides a diverse set of API management services which allows to publish, analyze and monetize APIs. Using API management platform, one can publish their existing APIs directly from on-premise, cloud or any external server, and it will be available to customers, partners and even to developers within no time.

**Responsibilities:**

- Developed MicroServices, by implementing Spring Data , Lombok , Javax Validation APIs and OAS Spec.
- Onboarding, retire API's onto APIM.
- Preparing work books for API Management, App Gateways, App Services, Cosmos and Redis for monitoring the services.
- Enabling tracing of micro services components onto the APM server.

**Project Details:**

**Project #:**

Company: DBS Bank

Project: Banking API developer platform ( [www.dbs.com/developers](http://www.dbs.com/developers) )

Client: Internal/External

Duration: Aug 2014- Oct 2020

Role: Sr. Java API Developer

**Environment:**

Java 1.8, Spring 4.0, Micro services, Spring boot, Spring Integration, Axway 7.5.3, Maria DB 5.5, Tibco 5.11, PCF, Angular JS.

**Description:** The API platform will boost the bank's lead in creating innovative and customer centric experiences by making available a wide array of APIs for other brands, corporates, fintechs and software developers to plug into. This has the potential to significantly accelerate the bank's digital ambition and customer impact.

This API platform will offer the world's largest number of and most relevant banking APIs such as funds transfers, rewards, PayLah! and real-time payments for companies, whatever their focus, from fintech to lifestyle to build upon. More categories will be added in response to demand.

**Responsibilities:**

- Learned PCF, Implemented, enhanced services provided by PCF like Cups, CredHub, ConfigServer and Routing services etc.
- implemented PCF autoscaling, Service registry, Spring Sleuth and Zipkin, Kibana Pretty Logging for Microservice components.
- Implementing RetryConfiguration, ErrorUtilityConfiguration by developing custom error annotations wherever possible.
- Written and implemented Junit and Mockito unit test case with a code coverage of on and above 85% of average for DPS projects.
- Developed MicroServices, implemented Spring Data JPA API, Lombok API, Javax Validation API and JMapper APIs and Swaggered these MicroServices.
- Given good support for DPS projects and AXWAY support to my peer teams. ▪ Design and develop microservices with spring boot.
- API profiling, virtualization and throttling for microservices with API Gateway. ▪ Design & developing Axway Request/Response policies for payloads.
- Created global security for OAuth for microservices.
- Analyzing existing tasks and imposing automation wherever possible.
- Involvement in design discussion of microservices.
- Mentoring subordinates and helping in code walkthrough.
- Documentation of APIs with Swagger & Swagger-ui.
- Developed front-end Controllers, Services, Components with Angular-JS for Admin utilities.
- Implemented spring-integration patterns as part of microservices development.

**Project #:**

Company: Invesco

Project: Continental Europe (CE) Portal

Client: Internal

Duration: Sep 2014- June 2016

Role: Developer

**Environment:**

Java 1.8, Spring 4.0, Hibernate 4.0, Micro services, Apache Tomcat 8, Magnolia-cms 5.4.4,

Apache Solr 5.3, Docker 2.1. Eclipse (Mars 4.5).

**Description:**

The CE website is designed to provide updates on Invesco product range and to share information and insights on major investment themes with good navigation. As one of the leading independent investment companies, Invesco offers private and institutional investors a global **fund** product range with such diversity and performance that only a few competitors can achieve.

**Responsibilities:**

- Designing and developing magnolia **Spring Blossom** page components, controllers, YAML page templates, and components.
- Designing and developing **Spring Boot** Micro services, deployed onto **Docker** container.
- Setup **Apache Solr** configurations and schemas and tuning **Solr** queries for enterprise search components.
- Create views using **Freemarker** scripting.
- Participated in technical reviews as part of the development process.
- Participated in daily scrum meetings, backlog grooming and sprint planning sessions.
- Collaborating with the global team in continuous improvement efforts.

**Project #:**

Company: Invesco

Project: AP Institutional Marketing Portal

Client: Internal

Duration: Mar 2014 - Aug 2014

Role: Developer

**Environment:**

Java 1.6, Spring 3.0, Hibernate 4.0, Web sphere 8, Vignette portal 8.1, WEM, IDOL, Oracle 10g.

**Description:**

Provide a single online interface for institutional sales in Asia Pacific to access marketing materials and other useful content that are currently located in various on-line portals. Enable JV partners to access marketing material. Streamline compliance approval process and strengthen controls on content distribution to reduce compliance risks.

**Responsibilities:**

- Design and development of Portlets with Spring Portlet MVC.
- Creating Portlet instances, pages, groups and users in VAP portal.
- Tuning IDOL queries to fetch content from WEM/IDOL server.
- Design and develop DAO calls onto Hibernate.
- Zipping PDF's & Integrate Email Service.
- Involved in creating channels for material categories in WEM.
- Participated in daily scrum meetings, backlog grooming and sprint planning sessions.

**Project #:**

Company: Prokarma

Project: iRecruit Web (<http://up.jobs.com>)

Client: UPRR

Duration: Sep 2012- Feb 2014

Role: Software Developer

**Environment:**

Java 1.6, Spring 3.0, Hibernate 3.0, RESTful Webservice, Jboss 4.x, Oracle 10g

**Description:**

iRecruit is UPRR's new career site which is a hybrid web application that works on both Mobile and Web.

The primary intention of this project is to apply for an UPRR job from anywhere, anytime, from any device. This includes candidate profiling from various social security sites like Facebook, LinkedIn and Twitter.

The Career Matcher Tool to help applicants find the types of jobs that match their skill sets, education and preferences and notifications. The New Career Site can be viewed here <http://up.jobs.com> . Some of the cool features of the new career site are: Site is mobile friendly, Responsive Web design.

Quick and easy access to connect with us on Facebook, Twitter, LinkedIn, and YouTube.

Quick and easy access to share job openings with friends that might be interested

Supports all mobile platforms.

SMS notifications and Signature on mobile.

Shopping style of application submit process.

**Responsibilities:**

- Implementing the Restful web services.
- Writing the DAO calls by implementing Hibernate and Spring
- Written backend Service calls for COG's.
- Writing the Junit test case and reporting the Code coverage using the **ecl emma** tool.
- Implementing CURD screens for admin data of the web application.
- Active participation in interaction with the client and dual shore. Bringing the quick updates provided the best suggestions in critical situations, knowledge sharing in development with the team.

**Project #:**

Company: Ness Technologies

Project: Hugin

Client: S&P

Duration: Feb 2011- Sep 2012

Role: Software Developer

**Environment:**

**Vignette Portal 7.3, Java Web Services, Net Charts Pro 5.0, Portlets**, Java 1.5, spring 2.0, Hibernate3.0, EXT-JS 2.x, Java Script, Web logic 9.2, Oracle 10g and **Business Objects XI InfoView**.

**Description:**

Hugin application delivers market data and analysis to Standard & Poor's analysts and identifies credits for which the market has taken a decidedly different view of credit. Hugin not only

delivers market information for individual credits in Corporate and Government Services and countries for Sovereigns, but we anticipate that we will add Public Finance and Structured Finance capabilities in the future.

Hugin is a surveillance tool that evaluates the global market's pricing of credit risks and compares it against our ratings. It delivers:

- CDS and bond pricing and model derived ratings.
- Thousands of S&P proprietary CDS and bond benchmark credit curves.
- Equity prices and hundreds of S&P Equity Index curves.
- Probability of Default Rating model output.
- Loan pricing data and loan issue debt and recovery ratings.

### **Responsibilities:**

- Integrating the **BO Reports** from **Business Objects XI InfoView** to Web Application.
- Developing Web Services Modules Using **Spring-WS** module.
- Integrating the Net Charts to the Web Application Using **Net Charts Pro API**.
- Developing the Portlets using the **Spring Portlet MVC** module.
- Designing the **CAR** for configuring the **Portlets** on the Vignette Portal server.
- Developing the Web Service clients for Hugin module.
- Developing Controllers and Service layers.
- Testing the Web Service using **SOAP-UI**.
- Involved in project deployment and Release process.
- Investigated and fixed bugs in the data and client layer and user interface.

### **Project #:**

Company: Ness Technologies

Project: PUBSUB

Client: S&P

Duration: Nov 2010 Feb 2011

Role: Software Developer

#### **Environment:**

**JAXB, JMS, Java Web Services**, Java 1.5, Spring 2.0, Hibernate3.0, Web logic 9.2 and Oracle 10g.

### **Description:**

The PubSub data is loaded into the staging database from CMP, from where the Publisher gets the data and pushes it into Queue. Now the PS\_Client\_Hugin Module gets connected to the Queue and listens for the messages. These messages are Sync Portfolio messages. And these are categorized into system portfolio and custom portfolio messages.

It marshals or Unmarshalls the messages using the JAXB API. And also it persists the object into a database based on the type of operation using the Hibernate technology.

### **Responsibilities:**

- Developed Web Services Module.
- Implementation of **JAXB API** for marshalling and unmarshalling xml messages.
- Designing the XSD schema.
- Implementation of Hibernate to persist the java object.



- Testing the Web Service using **SOAP-UI**.
- Implementation of **JMS** using spring.
- Testing the JMS using **Hermes JMS client**.

## **Project #:**

Company: Tech Mahindra  
 Project: CramerQwestDevelopment  
 Client: Qwest  
 Duration: Nov 2009 to 2010  
 Role: Software Developer

## **Description:**

QMOE is a high quality, cost effective bandwidth service over Ethernet which can be used for inter / intra company connections. Customers can select and order port type, bandwidth profile and Ethernet virtual connection which can be point to point or point or multipoint.

To provide a standard service API for inventory CRUD activities an abstraction layer on top of all inventory systems, Inventory Capability will be created. The layer will have some business logic. It will provide northbound web services interface and southbound inventory system specific interface. This will allow other systems in the stack like Planning Tool to call inventory capability services to communicate with inventory systems. The details about how to communicate with specific inventory systems will be encapsulated from it.

## **Environment:**

Java, spring 2.0, Hibernate3.0, web services, Web logic 8.1, Oracle 10g and **Cramer 6.0**, EJB2.0, **Web services**.

## **Responsibilities:**

- Responsible for required analysis for the given assignments.
- Participated in code reviews and also self-code review.
- Involved in writing Java Callouts using **Cramer API**.
- Involved in preparing **TMU**.
- Involved in developing **ARTIS** and Audit for logging the Request and Response.
- Involved in developing Web Service components.
- Responsible for the development of Session Bean.
- Responsibility of integrating different modules of the application.
- Played important roles in configuration of middleware services provided by Web logic server.
- Involved in solving mismatch problems between Object Oriented Environment and Relational Environment at persistence layer using Hibernate Framework.